STEPS TO WORK WITH GIT AND GITHUB

STEP 1: Create a Github account on GitHub. Login and create a repository.

STEP 2: Download Git on your computer free from https://www.git-scm.com/ and install following the instructions.

STEPS 3: The first thing we need to do, is to check if Git is properly installed. Click window button and search for Gitbach and click it open. Then follow the steps below:

a. check if Git is properly installed.
   Code to input is git --version
   Output to expect: git version 2.30.2.windows.1 (your version might be higher or lower).
b. Configure from the gitbach. Now let Git know who you are. This is important for version control systems, as each Git commit uses this information:
   Code to input is git config --global user.name "OluwafemiOjo" (Use your own name)
   Code to input is git config --global user.email oluwafemiojo91@gmail.com (use your own email).
c. Create a folder. This is where your work should be stored on your PC. We will also git this repository:
   Code is mkdir myproject (use your preferred name)
   Code is cd myproject.
d. Initialise the repository called git repository
   Code is git init
   Output will be Initialized empty Git repository in C/Oluwafemi/user/myproject/.git/. (by doing this your have created a git repository on your local device) you will also notice that it shows you the path where it is located on your device.
e. Add files to it (you can just save your different file types, to the folder. Make sure they end with the .extension name e.g .xlsx, .txt, .html.
   Another way is to code the file types.
   The steps are : 1. Open notepad on your pc and paste something like
   "<!DOCTYPE html>
   <html>
   <head>
   <title>Hello World!</title>
   </head>
   <body>
   <h1>Hello world!</h1>
   This is the first file in my new Git Repo.

</body>
</html>
2. save as all file but the file name will be index.html. leave the encoding as UTF-8 and save in the repository folder you just git.

f. Check the list of what has been added in the repository folder.

Code is ls.

Output is index.html (including all the file you safed there)

then input code git status

output is On branch master

No commits yet

Untracked files:

(use "git add ..." to include in what will be committed) index.html nothing added to commit but untracked files present (use "git add" to track) (Now Git is **aware** of the file, but has not **added** it to our repository!)

g. **Stagging** (Now add all files in the current directory to the Staging Environment 😊
Code is git add --all or git add . if it is just one file we will specify as git add index.html
The outcome should list all the files that are ready to be added.

h. **Commit :** Adding commits keep track of our progress and changes as we work. Git considers each commit change point or "save point". It is a point in the project you can go back to if you find a bug, or want to make a change.
When we commit, we should always include a message.
Code is git commit -m "First release of Hello World!"

With this, it has made change and committed it to our repo on the computer.

i. **Push the Excel File to GitHub**
Code is git push origin main (change main to master if your branch is master) always use main

This will prompt you to authenticate on your github for access. Follow the instruction.

j. Go to your github or refresh it. The changes will be there.

You can clone your git hub as follows:

Step1: decide the folder you want the clone GitHub to be or create a new folder.

Code cd "C:\Users\Oluwafemi.Ojo\OneDrive - Dangote Industries Limited\Desktop\myproject" (copy the folder path of where you want your own cloned repo to be)

Step 2: copy the https of the repo on github mine is https://github.com/oluwafemi90/PhD-Thesis.git then use

Code is git clone https://github.com/oluwafemi90/PhD-Thesis.git

Step 3: Move Into the Cloned Repository

Code is cd reponame mine is cd OneDrive - Dangote Industries Limited\Desktop\myproject

Step 4; verify

Code is git status